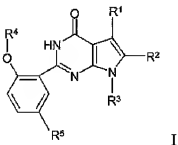


## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

1. (currently amended) A compound of the ~~general~~ formula I :



wherein R<sup>1</sup> is H; C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl; C<sub>1</sub>-C<sub>4</sub> halogenated branched or straight chain alkyl; C<sub>2</sub>-C<sub>6</sub> alkenyl; C<sub>2</sub>-C<sub>4</sub> alkynyl; pyridyl, pyrimidinyl, imidazolyl; except H, the above substituents may be optionally substituted with one or more following groups: halogen, cyano, nitro, hydroxyl, carboxyl, guanidino, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, C<sub>1</sub>-C<sub>4</sub> alkanoyl, C<sub>3</sub>-C<sub>5</sub> cycloalkyl, substituted phenyl, ~~substituted heterocyclic group~~, -CONR<sup>5</sup>R<sup>6</sup>, NR<sup>5</sup>R<sup>6</sup>, CO<sub>2</sub>R<sup>7</sup>, NHSO<sub>2</sub>R<sup>8</sup> or SO<sub>2</sub>NR<sup>9</sup>R<sup>10</sup>;

R<sup>2</sup> is H; C<sub>1</sub>-C<sub>3</sub> branched or straight chain alkyl; C<sub>1</sub>-C<sub>3</sub> halogenated branched or straight chain alkyl; C<sub>2</sub>-C<sub>6</sub> alkenyl; C<sub>2</sub>-C<sub>4</sub> alkynyl; substituted phenyl; except H, the above substituents may be optionally substituted with one or more following groups: halogen, cyano-, nitro, hydroxyl, carboxyl, guanidino-, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, C<sub>1</sub>-C<sub>4</sub> alkanoyl, C<sub>3</sub>-C<sub>5</sub> cycloalkyl, ~~substituted heterocyclic group~~, -CONR<sup>6</sup>R<sup>7</sup>, NR<sup>6</sup>R<sup>7</sup>, CO<sub>2</sub>R<sup>8</sup>, NHSO<sub>2</sub>R<sup>9</sup> or SO<sub>2</sub>NR<sup>10</sup>R<sup>11</sup>;

R<sup>3</sup> is H; C<sub>1</sub>-C<sub>6</sub> branched or straight chain alkyl which may be optionally substituted with C<sub>3</sub>-C<sub>6</sub> cycloalkyl or C<sub>1</sub>-C<sub>4</sub> alkoxy; C<sub>2</sub>-C<sub>4</sub> alkenyl; C<sub>2</sub>-C<sub>4</sub> alkynyl;

R<sup>4</sup> is H; C<sub>1</sub>-C<sub>6</sub> branched or straight chain alkyl which may be optionally substituted with

C<sub>3</sub>-C<sub>6</sub> cycloalkyl or C<sub>1</sub>-C<sub>4</sub> alkoxy; C<sub>2</sub>-C<sub>4</sub> alkenyl; C<sub>2</sub>-C<sub>4</sub> alkynyl;

R<sup>5</sup> is H; C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl which may be optionally substituted with OH, NR<sup>6</sup>R<sup>7</sup>, CN, CONR<sup>6</sup>R<sup>7</sup> or CO<sub>2</sub>R<sup>8</sup>; C<sub>2</sub>-C<sub>4</sub> alkenyl which may be optionally substituted with CN, CONR<sup>6</sup>R<sup>7</sup> or CO<sub>2</sub>R<sup>8</sup>; C<sub>2</sub>-C<sub>4</sub> alkoxy optionally substituted with NR<sup>6</sup>R<sup>7</sup>; (C<sub>2</sub>-C<sub>3</sub> alkoxy) C<sub>1</sub>-C<sub>2</sub> branched or straight chain alkyl optionally substituted with OH or NR<sup>6</sup>R<sup>7</sup>; CONR<sup>6</sup>R<sup>7</sup>; CO<sub>2</sub>R<sup>8</sup>; halogen; NR<sup>6</sup>R<sup>7</sup>; NHSO<sub>2</sub>NR<sup>6</sup>R<sup>7</sup>; NHSO<sub>2</sub>R<sup>9</sup>; SO<sub>2</sub>NR<sup>10</sup>R<sup>11</sup>; or phenyl, pyridyl, pyrimidinyl, imidazolyl, oxazolyl, thiazolyl, thienyl, or triazolyl, either of which is optionally substituted with methyl;

R<sup>6</sup> and R<sup>7</sup> are each independently H or C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl; or R<sup>6</sup> and R<sup>7</sup> together with their attached nitrogen atom form pyrrolinyl, piperidyl, morpholinyl, 4-N(R<sup>12</sup>)-piperazinyl or imidazolyl, either of which is optionally substituted with methyl or hydroxyl;

R<sup>8</sup> is H; C<sub>1</sub>-C<sub>6</sub> branched or straight chain alkyl optionally substituted with C<sub>1</sub>-C<sub>4</sub> alkoxy, C<sub>1</sub>-C<sub>4</sub> alkylamino, dialkylamino; substituted phenyl and substituted heterocyclic group in which the substituent(s) on the ring of substituted phenyl and substituted heterocyclic group are defined as the above;

R<sup>9</sup> is C<sub>1</sub>-C<sub>3</sub> alkyl optionally substituted with NR<sup>6</sup>R<sup>7</sup>;

R<sup>10</sup> and R<sup>11</sup> are each independently H or C<sub>1</sub>-C<sub>12</sub> branched or straight chain alkyl; C<sub>1</sub>-C<sub>3</sub> halogenated branched or straight chain alkyl; C<sub>2</sub>-C<sub>6</sub> alkenyl; C<sub>2</sub>-C<sub>6</sub> alkynyl or C<sub>3</sub>-C<sub>6</sub> cycloalkyl; or R<sup>10</sup> and R<sup>11</sup> taken together to form a pyrrolinyl, pyrrolinone group, piperidyl, morpholinyl, 4-N(R<sup>13</sup>)-piperazinyl; or R<sup>10</sup> and R<sup>11</sup> together with their attached nitrogen atom form a pyrrolinyl, pyrrolinone group, piperidyl, morpholinyl, 4-N(R<sup>13</sup>)-piperazinyl which are optionally substituted with OH, CN, CO<sub>2</sub>R<sup>8</sup>, C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, NR<sup>14</sup>R<sup>15</sup> or CONR<sup>14</sup>R<sup>15</sup>; substituted phenyl, substituted heterocyclic group, or C<sub>1</sub>-C<sub>6</sub> branched or straight chain alkyl substituted with substituted phenyl or substituted heterocyclic group, the said groups are optionally further substituted with OH, CO<sub>2</sub>R<sup>8</sup>, NR<sup>14</sup>R<sup>15</sup>, CONR<sup>14</sup>R<sup>15</sup>, or linked together with another substituted phenyl or substituted

heterocyclic group by a carbonyl group;

R<sup>12</sup> is H; C<sub>1</sub>-C<sub>6</sub> branched or straight chain alkyl which may be optionally substituted with phenyl, C<sub>2</sub>-C<sub>3</sub> alkyl substituted by hydroxyl, or C<sub>1</sub>-C<sub>4</sub> alkoxy; C<sub>1</sub>-C<sub>3</sub> fluoroalkyl; C<sub>2</sub>-C<sub>6</sub> alkenyl; C<sub>2</sub>-C<sub>6</sub> alkynyl; or C<sub>3</sub>-C<sub>6</sub> cycloalkyl; R<sup>13</sup> is H; C<sub>1</sub>-C<sub>6</sub> branched or straight chain alkyl; C<sub>2</sub>-C<sub>6</sub> branched or straight chain alkyl substituted with C<sub>1</sub>-C<sub>3</sub> alkoxy; C<sub>2</sub>-C<sub>6</sub> branched or straight chain alkyl substituted with hydroxyl; C<sub>2</sub>-C<sub>6</sub> branched or straight chain alkyl substituted with NR<sup>14</sup>R<sup>15</sup>; C<sub>2</sub>-C<sub>6</sub> branched or straight chain alkyl substituted with phenyl; C<sub>1</sub>-C<sub>6</sub> branched or straight chain alkyl substituted with CONR<sup>14</sup>R<sup>15</sup>; C<sub>2</sub>-C<sub>6</sub> branched or straight chain hydrocarbyl substituted with CO<sub>2</sub>R<sup>8</sup>; C<sub>2</sub>-C<sub>6</sub> branched or straight chain hydrocarbyl having substituted phenyl or substituted heterocyclic group as substituent; CO<sub>2</sub>R<sup>8</sup>, CONR<sup>14</sup>R<sup>15</sup>, CSNR<sup>14</sup>R<sup>15</sup> or C(NH)NR<sup>14</sup>R<sup>15</sup>; C<sub>1</sub>-C<sub>3</sub> halogenated branched or straight chain alkyl; C<sub>2</sub>-C<sub>6</sub> alkenyl; C<sub>2</sub>-C<sub>6</sub> alkynyl or C<sub>3</sub>-C<sub>6</sub> cycloalkyl; or polyethylene glycol group (n=2-20), which is optionally substituted with C<sub>1</sub>-C<sub>6</sub> alkyl on its terminal;

R<sup>14</sup> and R<sup>15</sup> are each independently H; C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl; C<sub>2</sub>-C<sub>4</sub> branched or straight chain alkyl substituted with C<sub>1</sub>-C<sub>3</sub> alkoxy; or C<sub>2</sub>-C<sub>4</sub> branched or straight chain alkyl substituted with hydroxyl; or R<sup>14</sup> and R<sup>15</sup> together with their attached nitrogen atom form a pyrrolinyl, pyrrolinone group, piperidyl or morpholinyl; and

the substituted phenyl refers to a phenyl which is substituted with one or more groups selected from C<sub>1</sub>-C<sub>4</sub> alkoxy, halogen, cyano-, CF<sub>3</sub>, OCF<sub>3</sub>, C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl on the phenyl ring; ~~The substituted heterocyclic group refers to hexatomic rings containing one or two nitrogen atoms, and the oxides thereof; pentatomic rings containing two or three hetero atom selected a group consisted of nitrogen, oxygen, and sulfur atoms; the substituting groups on the heterocyclic ring are C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, amino, as well as C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl amino, C<sub>1</sub>-C<sub>4</sub> alkoxyamino group;~~

~~Or~~ or their pharmaceutically acceptable salts .

2\_(currently amended) The compound according to claim 1, wherein: R<sup>1</sup> is C<sub>1</sub>-C<sub>3</sub> branched or straight chain alkyl optionally substituted with one or more groups selected from a group consisted of the following: C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, C<sub>1</sub>-C<sub>4</sub> alkanoyl, substituted phenyl, substituted heterocyclic group, CONR<sup>6</sup>R<sup>7</sup>, CONR<sup>5</sup>R<sup>6</sup> and NR<sup>6</sup>R<sup>7</sup>NR<sup>5</sup>R<sup>6</sup>;

R<sup>2</sup> is H; C<sub>1</sub>-C<sub>3</sub> branched or straight chain alkyl optionally substituted with one or more groups selected from a group consisted of the following: substituted phenyl, substituted heterocyclic group, CONR<sup>6</sup>R<sup>7</sup>, and NR<sup>6</sup>R<sup>7</sup>;

R<sup>3</sup> is H; C<sub>2</sub>-C<sub>4</sub> branched or straight chain alkyl which may be optionally substituted with C<sub>3</sub>-C<sub>4</sub> cycloalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy; C<sub>2</sub>-C<sub>4</sub> alkenyl; or C<sub>2</sub>-C<sub>4</sub> alkynyl;

R<sup>4</sup> is H; C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl which may be optionally substituted with C<sub>3</sub>-C<sub>3</sub> cycloalkyl or C<sub>1</sub>-C<sub>3</sub> alkoxy; C<sub>2</sub>-C<sub>4</sub> alkenyl; or C<sub>2</sub>-C<sub>4</sub> alkynyl;

R<sup>5</sup> is H; C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl which may be optionally substituted with OH, NR<sup>6</sup>R<sup>7</sup>, CN, CONR<sup>6</sup>R<sup>7</sup> or CO<sub>2</sub>R<sup>8</sup>; C<sub>2</sub>-C<sub>4</sub> alkoxy optionally substituted with NR<sup>6</sup>R<sup>7</sup>; NR<sup>6</sup>R<sup>7</sup>; NHSO<sub>2</sub>NR<sup>6</sup>R<sup>7</sup>; NHSO<sub>2</sub>R<sup>9</sup>; SO<sub>2</sub>NR<sup>10</sup>R<sup>11</sup>; or phenyl, pyridyl, pyrimidinyl, imidazolyl, oxazolyl, thiazolyl, thienyl or triazolyl, either of which is optionally substituted with methyl;

R<sup>6</sup> and R<sup>7</sup> are each independently H; C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl, or R<sup>6</sup> and R<sup>7</sup> together with their attached nitrogen atom form a pyrrolinyl, piperidyl, morpholinyl, 4-N(R<sup>12</sup>)-piperazinyl or imidazolyl, either of which is optionally substituted with methyl and hydroxyl;

R<sup>8</sup> is H or C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl;

R<sup>9</sup> is C<sub>1</sub>-C<sub>3</sub> alkyl optionally substituted with NR<sup>6</sup>R<sup>7</sup>;

R<sup>10</sup> and R<sup>11</sup> are each independently H or C<sub>1</sub>-C<sub>12</sub> branched or straight chain alkyl; C<sub>1</sub>-C<sub>3</sub> halogenated branched or straight chain alkyl; C<sub>2</sub>-C<sub>6</sub> alkenyl; C<sub>2</sub>-C<sub>6</sub> alkynyl or C<sub>3</sub>-C<sub>6</sub> cycloalkyl; or R<sup>10</sup> and R<sup>11</sup> taken together to form a pyrrolinyl, pyrrolinone group, piperidyl, morpholinyl, 4-N(R<sup>13</sup>)-piperazinyl; or R<sup>10</sup> and R<sup>11</sup> together with their attached nitrogen atom form a pyrrolinyl, pyrrolidone group, piperidyl, morpholinyl, 4-N(R<sup>13</sup>) piperazinyl; the said

groups are optionally substituted with OH, CN, CO<sub>2</sub>R<sup>8</sup>, C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, NR<sup>14</sup>R<sup>15</sup>, or CONR<sup>14</sup>R<sup>15</sup>; substituted phenyl, ~~substituted heterocyclic group,~~ or C<sub>1</sub>-C<sub>6</sub> branched or straight alkyl substituted with substituted phenyl ~~or substituted heterocyclic group,~~ the said groups are further substituted with OH, CO<sub>2</sub>R<sup>8</sup>, NR<sup>14</sup>R<sup>15</sup>, CONR<sup>14</sup>R<sup>15</sup>, or linked together with another substituted phenyl ~~or substituted heterocyclic group~~ by a carbonyl group;

R<sup>12</sup> is H; C<sub>1</sub>-C<sub>6</sub> branched or straight chain alkyl which may be optionally substituted with C<sub>2</sub>-C<sub>3</sub> alkyl or C<sub>1</sub>-C<sub>4</sub> alkoxy, the said alkyl and alkoxy are substituted with phenyl, hydroxy; C<sub>2</sub>-C<sub>6</sub> alkenyl or C<sub>3</sub>-C<sub>6</sub> cycloalkyl;

R<sup>13</sup> is H; C<sub>1</sub>-C<sub>6</sub> branched or straight chain alkyl; C<sub>2</sub>-C<sub>6</sub> branched or straight chain alkyl substituted with C<sub>1</sub>-C<sub>3</sub> alkoxy; C<sub>2</sub>-C<sub>6</sub> branched or straight chain alkyl substituted with hydroxy; C<sub>2</sub>-C<sub>6</sub> branched or straight chain alkyl substituted with NR<sup>14</sup>R<sup>15</sup>; C<sub>2</sub>-C<sub>3</sub> branched or straight chain alkyl substituted with phenyl; C<sub>1</sub>-C<sub>6</sub> branched or straight chain alkyl substituted with CONR<sup>14</sup>R<sup>15</sup>; CO<sub>2</sub>R<sup>8</sup>, CONR<sup>14</sup>R<sup>15</sup>, CSNR<sup>14</sup>R<sup>15</sup> or C(NH)NR<sup>14</sup>R<sup>15</sup>; C<sub>1</sub>-C<sub>3</sub> halogenated branched or straight chain alkyl; C<sub>2</sub>-C<sub>6</sub> alkenyl; C<sub>2</sub>-C<sub>6</sub> alkynyl or C<sub>3</sub>-C<sub>6</sub> cycloalkyl;

R<sup>14</sup> and R<sup>15</sup> are each independently H; C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl; C<sub>2</sub>-C<sub>4</sub> branched or straight chain alkyl substituted with C<sub>1</sub>-C<sub>3</sub> alkoxy; or C<sub>2</sub>-C<sub>4</sub> branched or straight chain alkyl substituted with hydroxy; or R<sup>14</sup> and R<sup>15</sup> together with their attached nitrogen atom form pyrrolinyl, pyrrolinone group, piperidyl, or morpholinyl;

~~The~~ the substituted phenyl refers to a phenyl group which is substituted with one or more groups selected from C<sub>1</sub>-C<sub>4</sub> alkoxy, halogen, CN, CF<sub>3</sub>, OCF<sub>3</sub>, or C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl; ~~the substituted heterocyclic group refers to hexatomic rings containing one or two nitrogen atoms, and the oxide thereof, or pentatomic rings containing two or three hetero atom selected a group consisted of nitrogen, oxygen and sulfur atoms; the substituents on the heterocyclic ring are C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, amino, as well as C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl amino, C<sub>1</sub>-C<sub>4</sub> alkoxyamino.~~

3. (currently amended) The compound according to claim 1-2, wherein:

R<sup>1</sup> is C<sub>2</sub>-C<sub>3</sub> branched or straight chain alkyl which may be optionally substituted with one or more groups selected from ~~substituted heterocyclic group~~ and NR<sup>6</sup>R<sup>7</sup>;

R<sup>2</sup> is H;

R<sup>3</sup> is H; C<sub>2</sub>-C<sub>4</sub> branched or straight chain alkyl which may be optionally substituted with C<sub>3</sub>-C<sub>4</sub> cycloalkyl; C<sub>2</sub>-C<sub>4</sub> alkenyl; C<sub>2</sub>-C<sub>4</sub> alkynyl;

R<sup>4</sup> is C<sub>2</sub>-C<sub>4</sub> branched or straight chain alkyl, which may be optionally substituted with C<sub>1</sub>-C<sub>3</sub> alkoxy; C<sub>2</sub>-C<sub>4</sub> alkenyl; C<sub>2</sub>-C<sub>4</sub> alkynyl;

R<sup>5</sup> is SO<sub>2</sub>NR<sup>10</sup>R<sup>11</sup>;

R<sup>6</sup> and R<sup>7</sup> together with their attached nitrogen atom form a pyrrolinyl, piperidyl or morpholinyl;

R<sup>8</sup> is H or C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl;

R<sup>10</sup> and R<sup>11</sup> are each independently H or C<sub>1</sub>-C<sub>12</sub> branched or straight chain alkyl; C<sub>3</sub>-C<sub>6</sub> cycloalkyl; or R<sup>10</sup> and R<sup>11</sup> taken together to form a pyrrolinyl, pyrrolinone group, piperidyl, morpholinyl, 4-N(R<sup>13</sup>)-piperazinyl; ~~or R<sup>10</sup> and R<sup>11</sup> together with their attached nitrogen atom form a pyrrolinyl, pyrrolinone group, piperidyl, morpholinyl, or 4-N(R<sup>13</sup>)-piperazinyl;~~ the said groups are optionally substituted with OH, C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, NR<sup>14</sup>R<sup>15</sup>, or CONR<sup>14</sup>R<sup>15</sup>; substituted phenyl, ~~substituted heterocyclic group,~~ or C<sub>1</sub>-C<sub>6</sub> branched or straight alkyl optionally substituted with substituted phenyl, ~~substituted heterocyclic group,~~ the said groups are further substituted with OH, CO<sub>2</sub>R<sup>8</sup>, NR<sup>14</sup>R<sup>15</sup> or CONR<sup>13</sup>R<sup>14</sup>, or linked together with another substituted phenyl ~~or substituted heterocyclic group~~ by a carbonyl;

R<sup>13</sup> is H; C<sub>1</sub>-C<sub>3</sub> branched or straight chain alkyl; C<sub>2</sub>-C<sub>3</sub> branched or straight chain alkyl substituted with C<sub>1</sub>-C<sub>3</sub> alkoxy; C<sub>2</sub>-C<sub>3</sub> branched or straight chain alkyl substituted with OH; C<sub>2</sub>-C<sub>6</sub> branched or straight chain alkyl substituted with NR<sup>14</sup>R<sup>15</sup>; C<sub>2</sub>-C<sub>3</sub> branched or straight chain alkyl substituted with phenyl; C<sub>1</sub>-C<sub>6</sub> branched or straight chain alkyl substituted with

CONR<sup>14</sup>R<sup>15</sup>; CO<sub>2</sub>R<sup>8</sup> or CONR<sup>14</sup>R<sup>15</sup>;

R<sup>14</sup> and R<sup>15</sup> are each independently H; C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl; C<sub>2</sub>-C<sub>4</sub> branched or straight chain alkyl substituted with C<sub>1</sub>-C<sub>3</sub> alkoxy; or C<sub>2</sub>-C<sub>4</sub> branched or straight chain alkyl substituted with OH; or R<sup>14</sup> and R<sup>15</sup> together with their attached nitrogen atom form a pyrrolinyl, pyrrolinone group, piperidyl or morpholinyl;

the substituted phenyl refers to a phenyl group which is substituted with one or more substituents selected from a group consisted of C<sub>1</sub>-C<sub>4</sub> alkoxy, halogen, CN, CF<sub>3</sub>, OCF<sub>3</sub>, and C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl; ~~the substituted heterocyclic group refers to hexatomic rings containing one or two nitrogen atoms and the oxide thereof; or pentatomic rings containing two or three hetero atom selected a group consisted of nitrogen, oxygen, and sulfur atoms; the substituents on the heterocyclic ring are C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, amino, as well as C<sub>1</sub>-C<sub>4</sub> branched or straight chain alkyl amino, C<sub>1</sub>-C<sub>4</sub> alkoxyamino.~~

4. (currently amended) The compound according to claim ~~3~~ 1, wherein the compound is selected from a group consisting of:

2-[2-ethoxyl-5-(4-ethylpiperazinyl-1-sulfonyl)phenyl]-5-methyl-7-

n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-methoxyl-5-(4-ethylpiperazinyl-1-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, and the hydrochloride thereof;

2-[2-n-propoxy-5-(4-ethylpiperazinyl-1-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, and the hydrochloride thereof;

2-[2-allyloxy-5-(4-ethylpiperazinyl-1-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, and the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-n-propoxy-5-(4-ethylpiperazinyl-1-sulfonyl)phenyl]-5-ethyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, and the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

olo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(4-methylpiperazinyl-1-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(4-methylpiperazinyl-1-sulfonyl)phenyl]-5-ethyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(4-ethoxycarbonylpiperazinyl-1-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(4-(2-hydroxyethyl)piperazinyl-1-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(pyrrolidinyl-1-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-[3-(2-oxy-pyrrolidin-1-yl)-n-propylamino-N-sulfonyl]phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-[2-(pyrrolidin-1-yl)-ethylamino-N-sulfonyl]phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(morpholino-4-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;



2-[2-ethoxyl-5-([3-(morpholin-4-yl)-n-propylamino-N-sulfonyl])-phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-([2-(morpholin-4-yl)-ethylamino-N-sulfonyl])phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(2,6-dimethylmorpholino-N-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(1-benzylpiperidyl-4-aminosulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-([2-(piperidin-1-yl)ethylamino-1-sulfonyl])phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(4-benzylpiperazinyl-1-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(4-phenylpiperazinyl-1-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(piperazinyl-1-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(4-benzo[1,3]dioxol-5-yl-methylpiperazinyl-1-sulfonyl)phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the

monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-{2-ethoxyl-5-[4-(3-phenyl-n-propan-1-yl)piperidyl-1-sulfonyl]

phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(n-propylamino-1-sulfonyl)phenyl]-5-methyl-7-n-

propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-~~[~~2-ethoxyl-5-~~[~~[N,N-di(2-hydroxyethyl)aminosulfonyl]~~]~~phenyl~~]~~-5-

methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-[N-(2-hydroxyethyl)-N-methyl]aminosulfonyl]phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-[N-(2-hydroxyethyl)-N-ethyl]aminosulfonyl]phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-[N-(2-hydroxyethyl)-N-n-butyl]aminosulfonyl]phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-~~[~~2-ethoxyl-5-(p-ethoxylcarboxylphenylamino)-N-sulfonyl~~]~~phenyl~~]~~-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-~~[~~2-ethoxyl-5-(o-benzoylphenylamino)-N-sulfonyl~~]~~phenyl~~]~~-5-methyl-

7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-~~[~~2-ethoxyl-5-(N2-acethydrazido)-N1-sulfonyl~~]~~phenyl~~]~~-5-methyl-7-

n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride and dihydrochloride and other possible hydrochloride thereof;

2-[[2-ethoxyl-5-(2-dimethylaminoethylamino)-N-sulfonyl]phenyl]-5-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(4-ethylpiperazinyl-1-sulfonyl)phenyl]-5-ethyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(4-ethylpiperazinyl-1-sulfonyl)phenyl]-5-morpholinomethyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof;

2-[2-ethoxyl-5-(4-ethylpiperazinyl-1-sulfonyl)phenyl]-5-(pyrimidinyl-2)-methyl-7-n-propyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof; and

2-[2-ethoxyl-5-(4-ethylpiperazinyl-1-sulfonyl)phenyl]-5-methyl-7-allyl-3,7-dihydropyrrolo[2,3-d]pyrimidin-4-one, the monohydrochloride, dihydrochloride and other possible hydrochloride thereof.

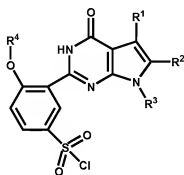
5. (canceled)

6. (currently amended) A pharmaceutical composition containing the compound according to any one of claims claim 1-4 as an active ingredient, and a pharmaceutically acceptable excipient.

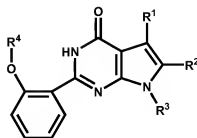
7. (currently amended) A veterinary ~~drugs~~ drug composition containing the compound according to any one of claimclaims 1-4 as an active ingredient, and a veterinarily acceptable excipient.

8-9. (canceled)

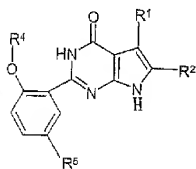
10. (currently amended) Intermediates ~~IA-IG~~ for the manufacture of compound of formula I according to claim 1:



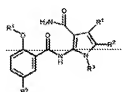
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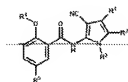
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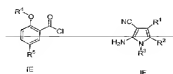
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IA



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